

Introduction to Air Permit to Install • What is a Permit to Install (PTI)? · Preparing your PTI Application · Where does my application go? · Permit Conditions · What happens when the permit gets issued? • Voids, errors, & denials, oh my! DEG

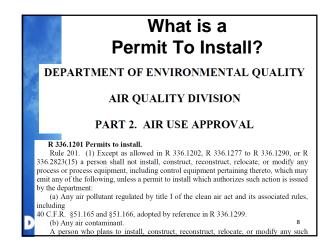
What is a **Permit To Install?**

- 324.5503 Powers of department.
- The department may do 1 or more of the following:
- (a) Promulgate rules to establish standards for ambient air quality and for emissions.
- (b) Issue permits for the construction and operation of sources, processes, and process equipment, subject to enforceable emission limitations and standards and other conditions reasonably necessary to assure compliance
 - all applicable requirements of this part,
 - rules promulgated under this part, and
 - the clean air act.

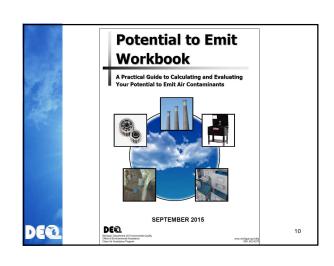
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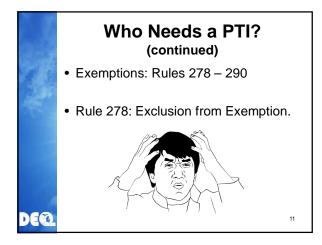
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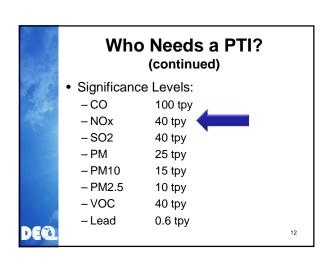


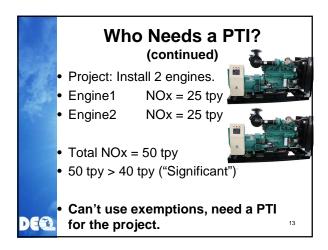


Who Needs a PTI? • Rule 201: Essentially, EVERY process that emits air contaminants needs a PTI • UNLESS your process is exempt





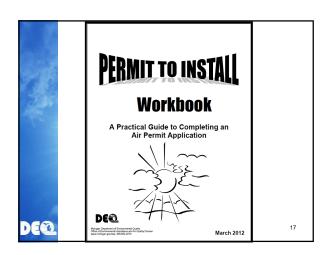


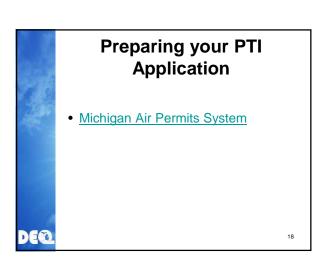




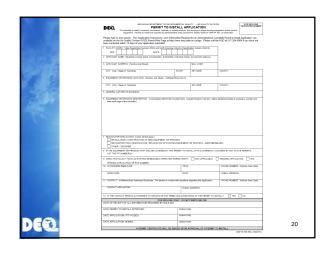












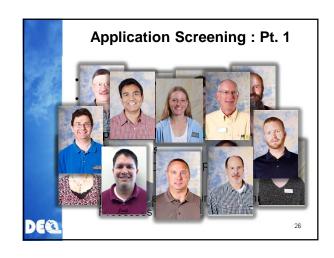




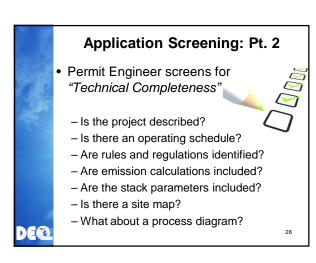








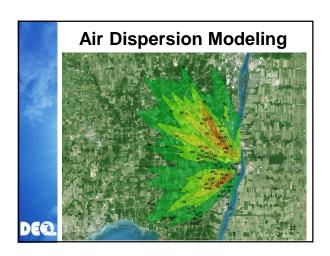




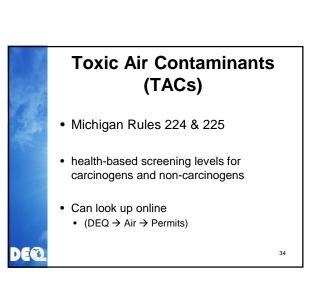
• Not Technically complete • Not Technically complete - Application not accepted - "Off-Line Tracking" - Additional Information Request • Goal: Technically Complete Application

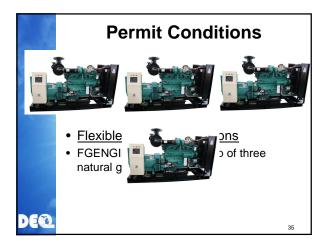
Application Review • Permit Engineer reviews: - Project plans - Existing equipment &/or permits - Emission calculations - Stack characteristics - State and Federal Regulations

Air Dispersion Modeling • Permit engineer may determine modeling is necessary • AQD Guidance doc: AQD-022 • Stack parameters - height, diameter, direction, obstructions • Exhaust Flowrate • Exhaust temperature • Pollutant emission rate

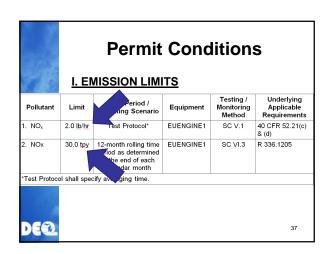


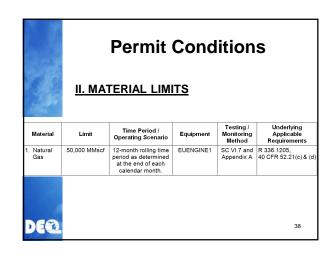
Air Dispersion Modeling Criteria pollutants / Federal New Source Review pollutants Compare to NAAQS & PSD Increment Toxic Air Contaminants (TACs) Compare to health-based screening levels

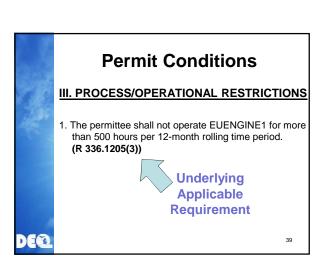


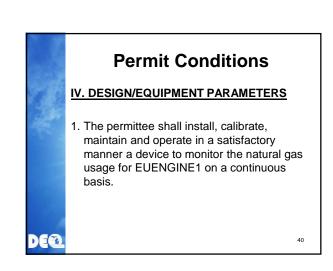


Permit Conditions • Emission Limits • Material Limits • Process/Operational Restrictions • Design/Equipment Parameters • Testing/Sampling • Monitoring/Recordkeeping • Reporting • Reporting • Stack/Vent Restrictions • Other Requirements









Permit Conditions V. TESTING / SAMPLING 1. The permittee shall verify NO_x and CO emission factors used to calculate emissions from EUENGINE1, by testing at owner's expense, in accordance with Department requirements.

